

AMENDMENTS TO THE CLAIMS

Before claim 1, change Claims to I CLAIM:

Cancel claims 1-27 without prejudice or disclaimer of the subject matter therein and substitute new claims 28-54 therefor:

Claims 1-27 (cancelled)

28. (new) Inhaler (1) for powdery, in particular medical substances (10), comprising: a mouthpiece (3) and a suction air channel (12) leading to the mouthpiece (3), a storage chamber (11) for the substance (10) and a linearly moving dosing chamber (26) for apportioning a specific amount of substance from the storage chamber (11) into a region of a transfer point (Ü) to a suction air stream (S) within the air channel (12); wherein a component of the suction air stream (S) that lies in the direction in which the dosing chamber (26) extends empties the dosing chamber (26).

29. (new) Inhaler according to claim 28, further comprising a spindle (25), and wherein the dosing chamber (26) is disposed in the spindle (25) and is configured as a transverse bore of the spindle (25), which chamber (26) can be displaced by the spindle (25) in dependence on a closure cap of the inhaler.

30. (new) Inhaler according to claim 29, wherein the transverse bore is conical.

31. (new) Inhaler according to claim 29, further comprising an air passage (40) adjoining the suction air stream (S), the air passage (40) being associated with the dosing chamber (26).

32. (new) Inhaler according to claim 31, wherein the air passage (40) is respectively provided upstream of each of two openings of the dosing chamber (26).

33. (new) Inhaler according to claim 29, wherein the transverse bore has a portion of larger diameter and a portion of smaller diameter, and that associated with a larger clear diameter end of the dosing chamber (26) is an air passage (40) of a smaller diameter than it and associated with a smaller clear diameter end is an air passage (40) of a larger diameter than it.

34. (new) Inhaler according to claim 33, wherein the air passages (40) are formed on a cup-shaped rotary part (22) guiding the spindle (25) and are in flow communication with air inlets (42) in the lateral wall (37) of the mouthpiece (3).

35. (new) Inhaler according to claim 33, wherein the air passages (40) are disposed axially offset in relation to the air inlets (42) lying closer to the mouthpiece (3).

36. (new) Inhaler according to claim 34, wherein the rotary part (22) forms with its cup base the top (23) of the storage chamber (11), the center of which has a guiding opening (24) for the spindle (25) acting as a plunger slide.

37. (new) Inhaler according to claim 34, wherein the spindle (25), which is pointed at the end in the plunging direction in the manner of a screwdriver blade, is rotationally connected to the rotary part (22) by means of radial fins (33).

38. (new) Inhaler according to claim 37, wherein a cup wall (35) of the cup-shaped rotary part (22) has axial guiding slots (34) in which the fins (33) are guided.

39. (new) Inhaler according to claim 29, further comprising an extension limiting stop (36) of the spindle (25) that is provided by the mouthpiece (3), defining the ready-to-empty position of the dosing chamber (26), which with its base wall portion provides the transfer point (Ü).

40. (new) Inhaler according to claim 29, further comprising a docking point (28) between the spindle (25) and a closure cap (4) that lies on the mouthpiece side and disengages if overloaded.

41. (new) Inhaler according to claim 34, wherein the rotary part (22) has a rotor (R) with which a stator (St) is associated, with a scooping effect acting so as to carry substance into the dosing chamber (26) when the rotary part (22) is reversed in its rotation.

42. (new) Inhaler according to claim 34, further comprising web-carried rotor blades (47) extending from an annular disk (49) of the base of the rotary part (22).

43. (new) Inhaler according to claim 42, wherein the rotor blades (47) have a sickle-shaped outline.

44. (new) Inhaler according to claim 42, wherein there are two of the rotor blades (47) lying opposite each other.

45. (new) Inhaler according to claim 42, wherein the rotor blades (47) extend substantially on a quarter sector, with a flank (50) directed radially toward the center of

the spindle (25) and a blade flank (51) lying approximately at right angles thereto in tangential alignment with the spindle (25) in such a way as to leave a gap.

46. (new) Inhaler according to claim 45, wherein the flanks (50) lie in a common diametral line (y-y).

47. (new) Inhaler according to claim 41, wherein the rotor (R) engages under the stator (St) in such a way that the stator (St) is formed as a projection protruding radially inward from an inside wall of the storage chamber (11) and extending freely into a rotational path (54) of the rotor (R).

48. (new) Inhaler according to claim 47, wherein the stator (St) has a trapezoidal outline with a base in the inside wall of the storage chamber (11).

49. (new) Inhaler according to claim 47, wherein the rotational path (54) is axially limited by the underside of an annular disk (49) of the rotary part (22) and an inner side of the rotor blades (47) facing it.

50. (new) Inhaler according to claim 49, wherein the stator (St) lies in outline beneath the quarter sector, leaving an interspace (55) between two rotor blades (47).

51. (new) Inhaler according to claim 36, wherein the guiding opening (24) within the rotary part (22) is lined by a sealing bush (56) enclosing the cylindrical portion of the spindle (25).

52. (new) Inhaler according to claim 34, further comprising a sealing ring (58) inserted with preloading between an inside wall of the storage chamber (11) and a rotary part (22).

53. (new) Inhaler according to claim 52, wherein the sealing ring (58) is snap-fitted in annular grooves (59, 60) of both parts, the annular groove (59) located on the rotary part (22) taking the form of a V-shaped notched groove and the annular groove (60) of the storage chamber (11), lying at the same height as said notched groove, being of a semicircular form.

54. (new) Inhaler according to claim 28, further comprising a closure cap (4) that is formed as a screw cap and interacts with the mouthpiece (3) via co-rotating means (45/46).